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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Charles L. Epstein, et al.

Application No.: 10/538,361

Filing Date: October 20, 2005

For: PRACTICAL PULSE SYNTHESIS VIA THE DISCRETE INVERSE
SCATTERING TRANSFORM

Confirmation No.: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Examiner: Not Yet Assigned

DATE OF DEPOSIT: December 29, 2005

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Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

- ☒ In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of

the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

- ☐ In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.116 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:

☐ Certification in Accordance with § 1.97(e) is attached; or

☐ The fee of \$180.00 as set forth in § 1.17(p) is attached.

- ☐ In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of \$180.00 as set forth in § 1.17(p).

- ☒ Copies of reference numbers 1 - 19 listed on the attached Form PTO-1449 are enclosed herewith.

- ☒ Copies of reference numbers 20 - 23 on the attached Form PTO 1449 are not required to be submitted pursuant to 37 CFR § 1.98(a)(2)(i).

- ☐ Copies of references - ~ are not being submitted because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application number , filed for which a claim for priority under 35 U.S.C. § 120 has been made in the instant application.

☐ The relevance of those listed references which are not in the English language is as follows:

There are no listed references which are not in the English language.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

Date: *December 29, 2005*

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| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Docket No. UPN-4566/P-3041 | Application No. 10/538,361 |
| | Applicant Charles L. Epstein, et al. | |
| | Filing Date October 20, 2005 | Group Not Yet Assigned |
| | Confirmation No. Not Yet Assigned | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | |
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| 10 | Panych, L.P., "Theoretical comparison of fourier and wavelet encoding in magnetic resonance imaging," <i>IEEE Trans. On Med. Imag.</i> , 1996, 15(2), 141-153 | |
| EXAMINER | | DATE CONSIDERED |





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| | 11 | Pauly, J., et al., "Parameter relations for the Shinnar-Le Rous selective excitation pulse design algorithm," <i>IEEE Trans. On Med. Imaging</i> , 1991 , <i>10</i> , 53-65 |
| | 12 | Rourke, D.E., et al., "The inverse scattering transform and its use in the exact inversion of the Bloch equation for noninteracting spins," <i>J. of Mag. Res.</i> , 1992 , <i>99</i> , 118-138 |
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Form PTO-1449 Modified

List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)

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Patent and Trademark Office

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Not Yet Assigned

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| Examiner Initial | | Document No. | Date | Country | Translation | |
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